



U.S. Department
of Transportation

Research and
Special Programs
Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0257/S, REVISION 4

400 Seventh Street, S.W.
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - Amersham Corporation Model 849.
2. Source Description - The source described by this certificate is a cylindrical, welded, single encapsulation constructed of 410 stainless steel and measures 38 mm (1.5 in) to 50.8 mm (2.0 in) in length by 12.7 mm (0.5 in) in diameter. Construction must be in accordance with Amersham Corporation Drawing Number R84901, Revision A (attached).
3. Radioactive Contents - This source consists of not more than 55.5 TBq (1,500 Ci) of Ir-192 in metallic form for models with a length of 38 mm (1.5 in) and not more than 74 TBq (2,000 Ci) of Ir-192 in metallic form for models with a length of 50.8 mm (2.0 in).
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires December 31, 2004.

¹ "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990" , published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

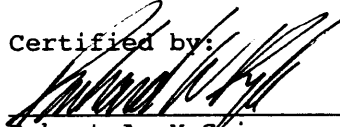
² Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

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CERTIFICATE USA/0257/S, REVISION 4

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated December 29, 1999 submitted by AEA Technology QSA, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified by:

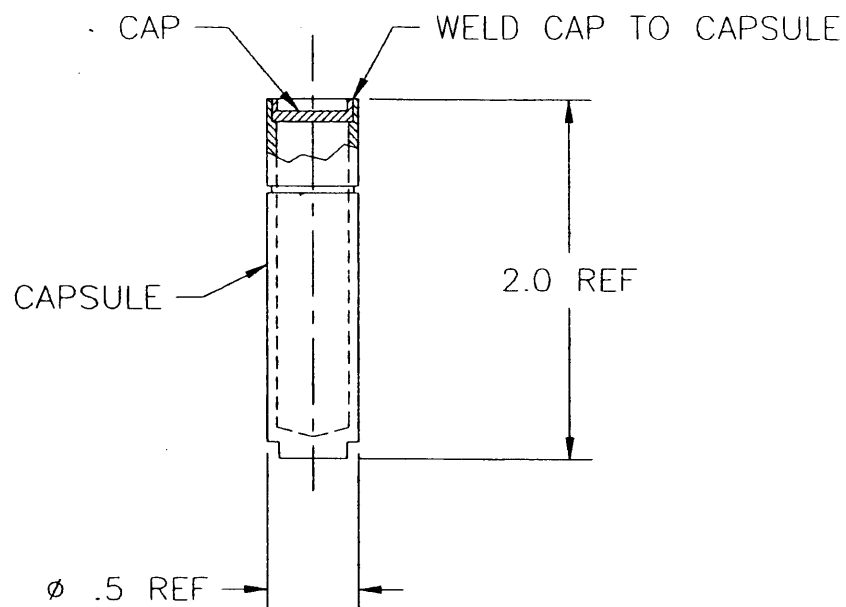


Robert A. McGuire
Acting Associate Administrator for
Hazardous Materials Safety

JAN 12 2000

(DATE)

Revision 4 - Issued to update to the 1985 IAEA regulations, and to extend the expiration date.



NOTE:

1. LEAK TEST IN ACCORDANCE WITH ANSI N43.6 OR ISO 9978.

INITIAL RELEASE		<i>Steven J. Gorman</i>		A		AMERSHAM CORPORATION BURLINGTON, MA 01803		SENTINEL™	
DESCRIPTION		REGULATORY/DATE		DRAWN BY/DATE		REV		DWG. TITLE	
								IR-192 CAPSULE ASSEMBLY	
								SIZE A	
								DWG. NO. R84901	
								REV A	
								SCALE NONE	
								SHEET 1 OF 1	